

REMARKS

Reconsideration of the application is requested in view of the above amendments and the following remarks. Claims 1, 2 and 9 have been amended. Claims 1-15 are pending in the application. Support for the amendments to claim 1, 2 and 9 can be found at page 8, line 24 to page 9, line 11 and Figure 4 of the present application.

Claims 1-7, 9-11 and 13-15 were rejected under 35 U.S.C. § 102(e) as being anticipated by Ueda, U.S. 6,194,824. Applicant respectfully traverses this rejection.

Ueda discloses a configuration that allows each of the electron beams B and R to be located at the center of a four-pole magnetic field so as to elongate vertically or horizontally the cross-sectional shapes of the electron beams. However, Ueda fails to disclose a bipolar barrel magnetic field that act upon the electron beams, and no bipolar magnetic field actually acts upon beams B and R.

The magnetic pieces 23 and 24 disclosed by Ueda are part of a four-pole magnetic field that act on an electron beam, and thus cannot be independently treated as being in a bipolar arrangement. The bipolar magnetic field of claims 1, 2 and 9 is fundamentally different from a four-pole magnetic field disclosed by Ueda. One of ordinary skill in the art would not consider that a bipolar magnetic field is present in a four-pole magnetic field or that a four-pole magnetic field may include a bipolar magnetic field that acts on the electron beams.

The statement in section 6 of the Office Action that Ueda "discloses that a barrel magnetic field is formed between the two pairs of members" (column 3, lines 38-41) is an incorrect characterization of Ueda. Ueda is describing in this section a main deflection magnetic field formed by a deflection yoke and that a vertical deflection magnetic field is distorted in a

barrel shape. However, Ueda fails to disclose that a bipolar barrel magnetic field is formed between the magnetic pieces 23 and 24.

In practice, the color cathode ray tube of claims 1, 2 and 9 displaces the electron beam as a whole in an in-line direction using a localized bipolar barrel magnetic field. Ueda on the other hand, discloses a force acting in the four-pole magnetic field that does not displace the electron beam as a whole but simply elongates the electron beam vertically or horizontally. Furthermore, the present invention involves a correlation between the horizontal deflection magnetic fields and the localized bipolar magnetic fields. As the horizontal deflection magnetic fields are strengthened, localized bipolar magnetic fields are also strengthened so that a displacement amount as a whole also increases. Displacement of the electron beam as a whole is due to the presence of a bipolar magnetic field. In contrast, Ueda provides a configuration such that even if a horizontal deflection magnetic field 35 is strengthened, the electron beam is not displaced as a whole. This indicates that Ueda fails to disclose a bipolar magnetic field.

Thus, because Ueda fails to disclose a bipolar magnetic field, Ueda clearly fails to disclose a bipolar magnetic field that acts on an electron beam so as to displace the side beams as a whole in a direction parallel to the in-line plane, as required by claims 1, 2 and 9, and the claims that depend from them. Withdrawal of the rejection is respectfully requested.

Claims 8 and 12 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Ueda in view of Barten, U.S. 4,346,327. Applicant respectfully traverses this rejection.

As discussed above, Ueda fails to disclose every limitation of claims 2 and 9. Barten fails to remedy the deficiencies of Ueda as it relates to claim 2 and 9. Therefore, claims 8 and 12 are allowable for at least the reason they are dependent upon an allowable base claim. Applicant does not concede the correctness of this rejection.

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In view of the above, Applicant requests reconsideration of the application in the form of
a Notice of Allowance.

Respectfully submitted,

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